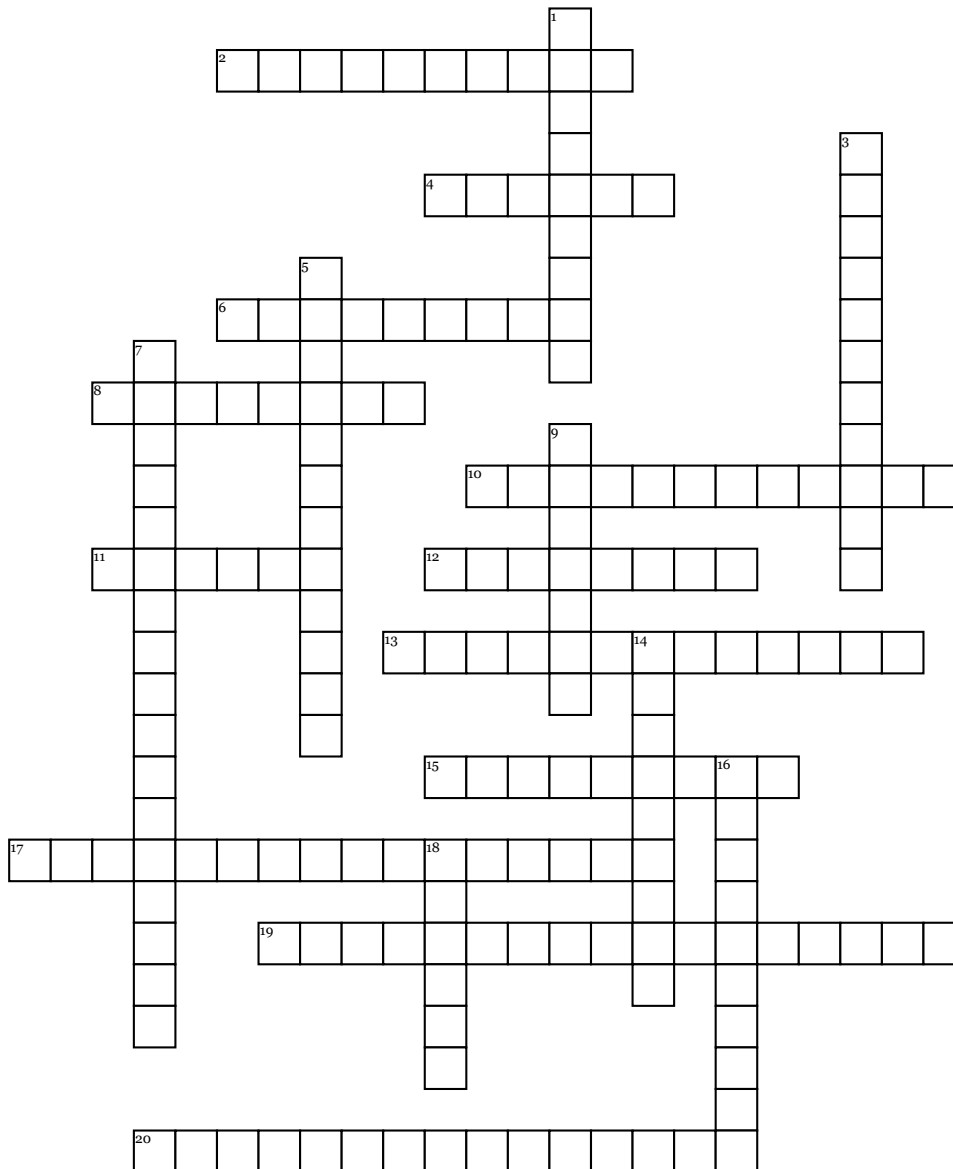


Name: _____

Date: _____

COMPONENTS OF THE UNIVERSE



Across

2. a theoretical stellar remnant which has cooled sufficiently that it no longer emits significant heat or light.

4. outermost layer of the sun's atmosphere

6. The death of a large star by explosion

8. the band of colors formed when light passes through a prism

10. middle layer of the sun's atmosphere

11. is an interstellar cloud of dust, hydrogen, helium and other ionized gases.

12. all space and the matter space contains

13. group of stars that form a pattern

15. What is the name of a place in space where gravity pulls so much that even light can not get out.

17. A galaxy with a bright center and very little dust or gas

19. the measure of intrinsic brightness of a celestial object.

20. A galaxy that does not fit into any category; a galaxy with very little symmetry

Down

1. _____ is a very young star that is still gathering mass from its parent (molecular cloud)

3. innermost layer of the sun's atmosphere

5. A galaxy with bulge in the center and very distinct long arms winding around the center

7. _____ is a number that is a measure of its brightness as seen by an observer on Earth.

9. force of attraction between objects

14. is a unit of length used informally to express astronomical distances.

16. the total amount of energy emitted by a star, galaxy, or other project per astronomical it time.

18. a gravitationally bound system of stars, stellar remnants, interstellar gas, dust, and dark matter.